Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A navigation system that searches for a route to a destination based on stored map data that provides navigation guidance to the destination along the route, comprising:

a controller that:

~~searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;~~

detects either a curve or ~~a road having~~ a greater change in altitude than a predetermined value from ~~the first route~~a previously traveled road;

~~changes the search cost for any detected curve or for any detected road;~~

stores a location of the detected curve or the detected change in altitude; and

searches for a road that bypasses the location of the detected curve or the detected change in altitude when determining another route ~~second route to the destination based on the search cost that has been changed; and~~

~~employs the second route as the route to be recommended instead of the first route~~.

2. (Currently Amended) The navigation system according to claim 1, wherein when the controller detects the curve, the controller determines a radius of curvature based on node coordinates of ~~a~~the previously traveled road and detects the curve based on the radius of curvature.

3. (Currently Amended) The navigation system according to claim 1, wherein when the controller detects the curve, the controller detects the curve based on the number of nodes in ~~a road~~the previously traveled road.

4-9. (Cancelled)

10. (Previously Presented) The navigation system according to claim 1, wherein when the controller detects the curve, the controller detects the curve based on a number of nodes per unit length.

11. (Cancelled)

12. (Currently Amended) A storage medium storing a set of program instructions executable on a data processing device and usable to search ~~A program for use in a navigation system that searches~~ for a route to a destination based on stored map data ~~that provides~~and provide navigation guidance to the destination along the route, the program instructions comprising:

~~a routine that searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;~~

a routine that detects either a curve or ~~a road having~~a greater change in altitude than the predetermined value from ~~the first route~~a previously traveled road;

~~a routine that changes the search cost for any detected curve or for any detected road;~~

a routine that stores a location of the detected curve or the detected change in altitude; and

a routine that searches for a road that bypasses the location of the detected curve or the detected change in altitude when determining another route ~~a second route to the destination based on the search cost that has been changed; and~~

~~a routine that employs the second route as the route to be recommended instead of the first route.~~

13. (Cancelled)

14. (Currently Amended) The ~~program~~storage medium of claim 12, wherein the curve is detected based on a number of nodes per unit length.

15. (Cancelled)

16. (Currently Amended) A storage medium storing a set of program instructions executable on a data processing device and usable to search ~~for use in a navigation system that searches~~for a route to a destination based on stored map data ~~that provides~~and provide navigation guidance to the destination along the route, wherein the storage medium stores:

map data used in searching for the route and providing the navigation guidance along the route; and

~~a program for use in the navigation system~~the program instructions, comprising:

~~a routine that searches for a first route to the destination as a route to be recommended based on a calculation of a search cost;~~

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a routine that detects either a curve or ~~a road having~~ a greater change in altitude than a predetermined value from ~~the first route~~a previously traveled road;

~~a routine that changes the search cost for any detected curve or for any detected road;~~

_____ a routine that stores a location of the detected curve or the detected change in altitude; and

a routine that searches for a road that bypasses the location of the detected curve or the detected change in altitude when determining another route~~second route to the destination based on the search cost that has been changed; and~~

_____ ~~a routine that employs the second route as the route to be recommended instead of the first route~~.

17. (Cancelled)

18. (Original) The storage medium of claim 16, wherein the curve is detected based on a number of nodes per unit length.

19. (Cancelled)

20. (Previously Presented) The navigation system according to claim 1, wherein the controller detects the curve.

21. (Currently Amended) The ~~program~~ storage medium of claim 12, wherein the routine detects the curve.

22. (Previously Presented) The storage medium of claim 16, wherein the routine detects the curve.

23. (Currently Amended) The navigation system according to claim 1, wherein the controller detects both the curve and the ~~road having the greater~~ change in altitude ~~than the predetermined value from the first route~~.

24. (Currently Amended) The ~~program~~ storage medium of claim 12, wherein the routine detects both the curve and the ~~road having the greater~~ change in altitude ~~than the predetermined value from the first route~~.

25. (Currently Amended) The storage medium of claim 16, wherein the routine detects both the curve and the ~~road having the greater~~ change in altitude ~~than the predetermined value from the first route~~.

26. (New) The navigation system according to claim 1, wherein the controller selects the road that bypasses the location of the detected curve or the detected change in altitude when determining the another route.

27. (New) The storage medium of claim 12, wherein the routine selects the a road that bypasses the location of the detected curve or the detected change in altitude when determining the another route.

28. (New) The storage medium of claim 16, wherein the routine selects the a road that bypasses the location of the detected curve or the detected change in altitude when determining the another route.